

BALANCE ENCLOSURE

Contain Powders During Weighing

- Pharmaceuticals
- Cosmetics
- Foods
- Research

The Balance Enclosure, model BE-1, is the ideal workstation to protect researchers, lab technicians and production workers when weighing, measuring, pouring, mixing and performing all the process operations that may involve dust, particulates, powders and organic vapors.

The enclosure allows full access to the balance while keeping the effects of drafts and air movement to a bare minimum for highly accurate weighing. Constructed of clear acrylic with solid aluminum framing, the enclosure allows full light penetration from all angles. When natural light is inadequate we can supply a light mounted outside the enclosure. The front hinged panel, designed for easy access, is made from a durable clear polycarbonate material. A port for electrical line cord is provided at the rear of the enclosure.

A variable speed blower allows continuous adjustment of airflow and face velocity. The unit is supplied with a HEPA Filter which is designed to remove particles down to 0.3 microns in size at 99.99% efficiency. If you are working with gross particulate, you may want to add a pre-filter in combination with the HEPA. The pre-filter removes gross particulate from the air, and prevents premature clogging of the HEPA filter, thereby extending its life. Optional carbon filters are available for adsorption of vapors.

Balance Enclosure Options:

- Light Kit - Fluorescent light box
- Acrylic Polish
- Airflow Alarm Unit
- Blocked Filter Alarm Unit
- Outside Vent Adapter Kit
- Extended Door for Extra Sensitive Balances

For filter information see page 17
For ordering information see page 19



BE-1 Balance Enclosure

Specifications

Model No:	BE-1 Balance Enclosure	(Light Kit optional)
Overall Size:	30"W x 22"D x 34.5"H	
Workspace:	28" W x 21" D x 19" H	
Power requirements :	115V AC, 100 Watts, 50/60 Hz, 230V AC optional for export	
Weight:	80 lbs., approx.	
Blower:	530 CFM, (free air), Backward Curved Impeller	
Noise Level:	A weighted noise level 68dB at 1 meter	

Airflow Performance Statistics

Filters Installed	Max Airflow CFM	Face Velocity FPM
None	480	600
HEPA	184	210
HEPA/Dacron/0.5" Carbon	184	210
HEPA/Dacron/2" Carbon	114	130
0.5" Carbon	363	415
2" Carbon	232	265
2 each - 2" Carbon	131	150

All numbers refer to average readings taken at full blower speed

Please Note: we can manufacture this unit in many different sizes and/or configurations. Please call to discuss your application.